



## COMMONWEALTH of VIRGINIA

*Department of Health*

### ***DIVISION OF SHELLFISH SANITATION***

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#### **CAPE CHARLES Growing Area #89 Northampton County Shoreline Sanitary Survey**

**Date:** January 29, 2004

**Survey Period:** October 10, 2003

**Total Number of Properties Surveyed:** 5

**Surveyed By:** J.W. Hume

#### **SECTION A - GENERAL**

This survey area extends from Reference Point 89 at Washington Avenue in the town of Cape Charles to Reference Point 90 at the Cherrystone Channel south shore light, including the Chesapeake Bay shoreline between these two points, Cape Charles harbor, and all of their tributaries.

The survey area is small in its geographical size and drainage basin. However, the north end of the area is densely populated (1990 pop. 1398) within the town of Cape Charles. The portion of the survey area south of Cape Charles Harbor is sparsely populated to un-populated.

Elevations rise sharply from the shore to around 5'. From there, the topography is fairly flat with higher elevations reaching only slightly more than 10'. The economy is varied with several small businesses, a railroad port terminal, a large concrete products plant, agriculture, seafood, and tourism.

Rainfall for survey period was .04", October 10, 2003.

The Cape Charles Sewage treatment plant serves almost the entire survey area. The town has a street storm drainage system that discharges runoff at several outfalls in the survey area.

The current restriction on shellfish harvesting is Condemned Shellfish Area Number 11, Chesapeake bay Opposite Cape Charles, revised 19 December 2001. The condemnation notice and map are attached to the last page of the report.

Information in this report is gathered by an primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties.

The Engineering Appendix is available from the Richmond Office of the Division of Shellfish Sanitation.

Report copies are provided to the local health department for their information and the Department of Environmental Quality, Water Regional Office for classifications listed on the summary page in sections B.1. and C.1.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.

## **SECTION B: SEWAGE POLLUTION SOURCES**

### **SEWAGE TREATMENT FACILITIES, DIRECT**

5. Cape Charles STF. Municipal Corp. of Cape Charles, P.O. Box 391, Cape Charles 23310. 800 connections serving approximately 1,400 persons. Has VPDES permit #VA0021288 from DEQ. Treatment consist of American Envirport Treatment System, lined aerated lagoon, Trojan System UV 2000, and sludge drying beds. Design flow of 0.25 MGD to Cape Charles harbor. See Engineering Appendix for more information.

### **ON-SITE SEWAGE DEFICIENCIES**

4. CONTRIBUTES POLLUTION, ***DIRECT*** – Owner- Bayshore Concrete Products Corporation, P.O. 230, Cape Charles 23310. Business- formed concrete product manufacturer. Effluent erupting onto ground surface from drainfields 100' from Chesapeake Bay at 10' elevation. Employee stated they are currently working with the local Health Department to repair the problem. Sanitary Notice issued 10-10-03 to field #H4.

### **POTENTIAL POLLUTION**

-none-

## **SECTION C: NONSEWAGE WASTE SITES**

### **INDUSTRIAL WASTES**

2. ***DIRECT*** – T & W Block, 601 Bayshore Road, Cape Charles 23310. Business – Concrete mixing plant. Concrete permit AIRS ID 51-131-00020. Has VPDES permit #VA61369 from Department of Environmental Quality.
4. ***DIRECT*** – Bayshore Concrete Products Corporation, P.O. Box 230, Cape Charles 23310. Business- formed concrete manufacturer. Plant has a settling pool and holding pond for storm runoff and boiler water which discharges into the Chesapeake Bay. Has VPES permit#0085677 from DEQ.

### **SOLID WASTE DUMPSITES**

-none-

## **SECTION D: BOATING ACTIVITY**

### **MARINAS**

3. Municipal Corporation of Cape Charles, P.O. Box 391, Cape Charles 23310. Marine-public marina. 1 employee. 99 seasonal slips/moorings. Present at time of survey were 5 work boats under 26', 7 work boats over 26', 10 pleasure baots under 26', and 15 pleasure boats over 26'. Boating services provided are fuel, in-out ramp, electricity and water. Sanitary facilities provided are 2 unisex privies. Boat holding tank pump-out is provided and a sign was in place.

### **OTHER PLACES WHERE BOATS ARE MOORED**

1. Myers Clam Dock, 1 Mason Ave., Cape Charles 23310. Owner: A. R. Myers, P.O. Box 38, Mappsville 23407. Clam offloading dock. No contact. 6 moorings. There were no boats present at time of survey. Gate was locked at time of survey. Facility appears to be closed. Sanitary facilities provided are 1 commode, 1 lavatory, and 1 shower for men. Sewage disposal is to Cape Charles STF. There are no boating services and no boat holding tank pump-out facilities provided at this location.

### **UNDER SURVEILLANCE**

-none-

## SUMMARY

Area #89  
Cape Charles  
January 29, 2004

### SECTION B: SEWAGE POLLUTION SOURCES

#### 1. SEWAGE TREATMENT FACILITIES

- 1 - DIRECT - #4
- 0 - INDIRECT -
- 1 - B. 1. TOTAL

#### 2. ON-SITE SEWAGE DEFICIENCIES

Correction of deficiencies in this section is the responsibility of the local health department.

- 1 - CONTRIBUTES POLLUTION, DIRECT - #5
- 0 - CONTRIBUTES POLLUTION, INDIRECT
- 0 - CP (Kitchen or Laundry Wastes), DIRECT
- 0 - CP (Kitchen or Laundry Wastes), INDIRECT
- 0 - NO FACILITIES, DIRECT
- 0 - NO FACILITIES, INDIRECT
- 1 - D. 2. TOTAL

#### 3. POTENTIAL POLLUTION

Periodic surveillance of these properties will be maintained to determine any status change.

- 0 - POTENTIAL POLLUTION

### SECTION C: NON-SEWAGE WASTE SITES

#### 1. INDUSTRIAL WASTE SITES

- 2 - DIRECT - #3, 5
- 0 - INDIRECT
- 2 - C. 1. TOTAL

#### 2. SOLID WASTE DUMPSITES

- 0 - DIRECT
- 0 - INDIRECT
- 0 - C. 2. TOTAL

### SECTION D: BOATING ACTIVITY

- 1 - MARINAS - #2
- 1 - OTHER PLACES WHERE BOATS ARE MOORED - #1
- 0 - UNDER SURVEILLANCE
- 2 - D TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

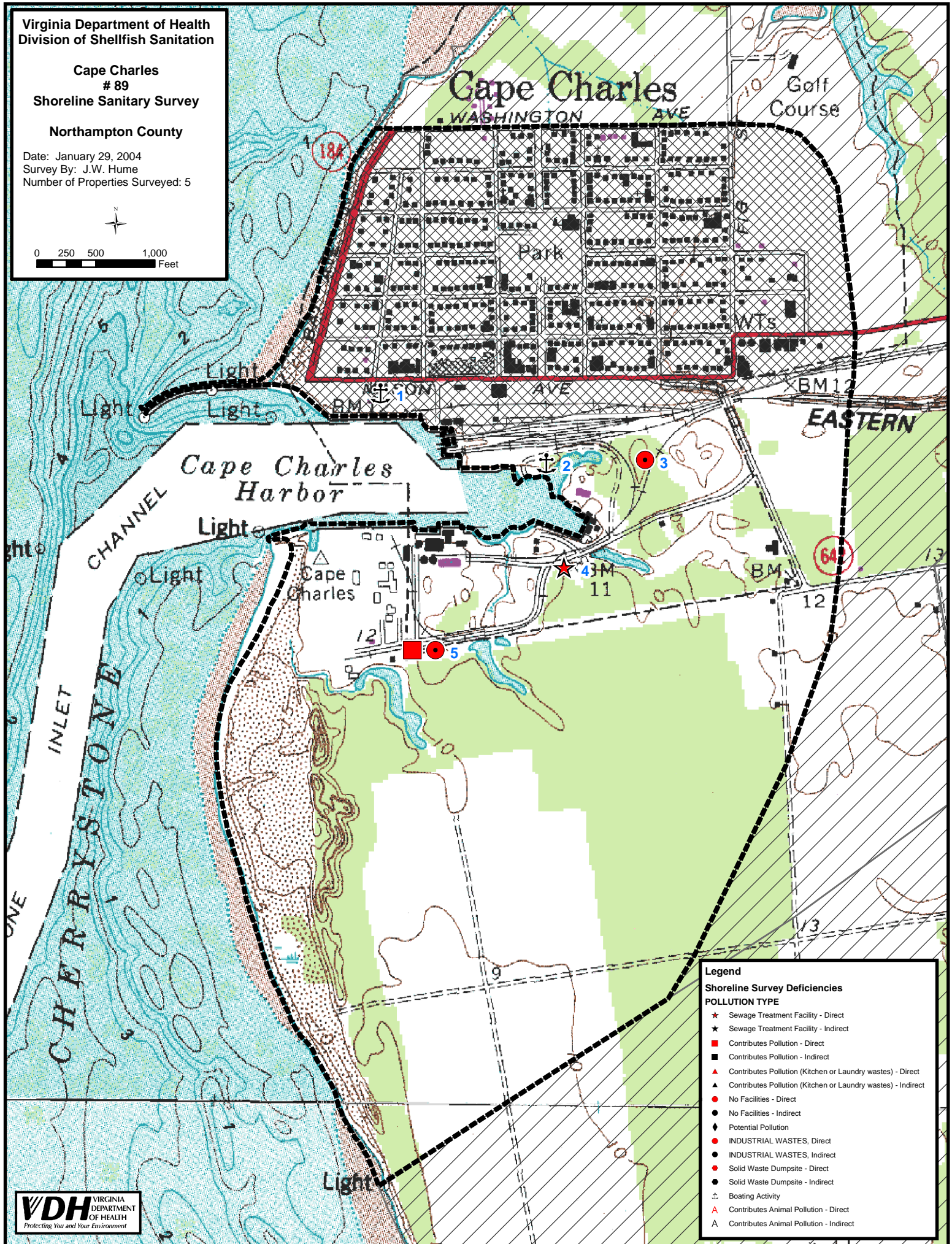
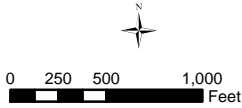
- 0 - DIRECT
- 0 - INDIRECT
- 0 - E TOTAL

Virginia Department of Health  
Division of Shellfish Sanitation

Cape Charles  
# 89  
Shoreline Sanitary Survey

Northampton County

Date: January 29, 2004  
Survey By: J.W. Hume  
Number of Properties Surveyed: 5



Legend

Shoreline Survey Deficiencies

POLLUTION TYPE

- ★ Sewage Treatment Facility - Direct
- ★ Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- ▲ Contributes Pollution (Kitchen or Laundry wastes) - Direct
- ▲ Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- ◆ Potential Pollution
- INDUSTRIAL WASTES, Direct
- INDUSTRIAL WASTES, Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- ⚓ Boating Activity
- ▲ Contributes Animal Pollution - Direct
- ▲ Contributes Animal Pollution - Indirect